

Buffalo AirStation G54

54Mbps Wireless Notebook Adapter – WLI-CB-G54L

The **AirStation 54Mbps Wireless Notebook Adapter** offers a fast and flexible client solution for your notebook PC. 32-Bit CardBus technology and 54Mbps wireless data rates ensure maximum performance. In addition, the 54Mbps Wireless Notebook Adapter supports AOSS™ (Airstation OneTouch Secure System) allowing you to easily setup secure wireless connections to your AOSS-enabled Router. Fits any Notebook PC with an available Type II or Type III PC card slot.

Features:

- AOSS support (AOSS Client Manager Required)
- 54Mbps wireless data rates
- 32-Bit CardBus performance
- WPA (TKIP), 802.1x support (Requires supplicant)
- Support 64/128-bit WEP
- Easy to install and setup



Buffalo's AirStation One-Touch Secure System allows you to create secure wireless connections with the push of the button and click of a mouse!



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- ▶ Press the AOSS™ button **1** on the router to initiate the AOSS session.
- ▶ Click on the AOSS™ button **2** in the Buffalo Client Manager Software.
- ▶ **DONE** - A secure connection is automatically established between the Router and Notebook.

Technical Specifications

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Wireless LAN

Standards Compliance	802.11g (Wireless LAN standard) 802.11b (Wireless LAN Standard)
Frequency Range	2.412 - 2.462GHz
Transmission Rate	802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11b: 1, 2, 5.5, 11Mbps
Security	WPA (TKIP), 802.1x support (Requires supplicant), WEP
Access Mode	Infrastructure Mode / Ad-Hoc Mode
Selectable Channels	11 Channels
Communication Protocol	Direct Sequence Spread Spectrum (DSSS), OFDM

Hardware

Interface	32-Bit CardBus
Dimensions	55 x 7.5 x 118mm
Weight	40g
Operating Environment	0-55°C, 20-80% humidity (non-condensing)

Communication Range

Speed	Indoor	Outdoor
54Mbps	65 ft. (20m)	165 ft. (50m)
18Mbps	195 ft. (60m)	490 ft. (150m)
11Mbps	245 ft. (75m)	590 ft. (180m)
1Mbps	410 ft. (125m)	1870 ft. (570m)

All distances are estimated. Wireless connections may be affected as physical conditions and circumstances vary.

Support Available for:	Windows XP, ME, 2000, 98SE
Package Contents:	AirStation 54Mbps Wireless Notebook Adapter, CD-ROM with Manual, Quick Setup Guide and Warranty Statement
Related Products:	AirStation 54Mbps Wireless Cable/DSL Routers and Access Points.

How AOSS™ Handles Security:



When two or more AOSS clients attach to the AOSS network, the client and router automatically negotiate the highest level of security that the clients and router can support. In the above example, one of the AOSS clients supports both WEP and WPA level encryption (TKIP and AES), while the other supports only WEP. AOSS automatically adjusts the security to a level that both clients support.



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Buffalo Technology (USA), Inc. is a leading global provider of affordable, easy-to-use, next-generation wired and wireless network solutions for the consumer, SOHO and SMB markets. With its expansion into the U.S. retail market, Buffalo offers home users a full suite of wireless home networking solutions such as its award winning line of AirStation 54g products; its 125* High Speed Mode™ 802.11g products; and its versatile line of 802.11a/b/g combo products. Buffalo completes its offerings with additional world-class networking solutions that include memory, storage and multimedia products – perfectly suited for any wireless environment.

With its new AirStation One-Touch Secure System (AOSS), Buffalo offers the ultimate in ease-of-use and security. The company's commitment to its customers and technological innovation has put Buffalo at the forefront of networking technology and is the foundation for its leading position among the top WLAN vendors worldwide.

BUFFALO

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*54 Mbps is the IEEE 802.11g standard theoretical maximum data transfer rate. Actual wireless network throughput is limited by environmental and system factors and will be less.

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